

## ABSTRACT OF THE INVENTION

5           A cross-linkable and cross-linked organosilicon polymer which is  
prepared from a mixture of a reactive polysiloxane resin having both reactive  
carbon-carbon double bonds and silicone-hydrogen groups, characterized by  
alternating structures of polycyclic polyene residue and cyclic (or tetrahedral)  
polysiloxane residue, and either vinyl terminated fluorine-containing  
10 polysiloxane or vinyl terminated phenyl-substituted siloxane. In an alternative  
embodiment, the polymer comprises a mixture of vinyl terminated phenyl-  
substituted polysiloxane and vinyl functional fluorosilicone elastomer with the  
cross-linkable and cross linked organosilicon polymer. In an alternative  
embodiment, the polymer comprises vinyl functional polydimethyl siloxane,  
15 and preferably high molecular weight methyl divinyl siloxane, with or without  
phenyl substituted siloxane.

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